



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBE350A93-3200-20

Job Sheet 180448



Part No: RBE350A93-3200-20

Job Qty: 1 ea

Part Name: Main Gear Box/Rotor Brake Retaining Nut Wrench



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/6/18

Job Tracking No:

Due Date: 7/13/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBE350A93-3200-20 REV:D IPP REV A 18.01.23 NEW ISSUE RQ VERIFIED BY DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		7/13/18	0.00	0.00	Start Up Small Fab-2		
110	Small Fab	1 pcs		7/13/18	0.00	1.00	Small Fab-3		MLC
120	QC	1 pcs		7/13/18	0.00	0.00	QC5		MLC
130	Packaging	1 pcs		7/13/18	0.00	0.00	Packaging3-1		SB
140	QC21-SA	1 Ea		7/13/18	0.00	0.00	QC21		SB

Part Op
Descriptions: 110 - Pick kit as per DWG.

DAS
21 JUL 10 2018
9-00

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
APP-1030-E	Case	1 Ea (1 ea)	90-Start up Operation	
RBE350A93-3200-20-1	Main Gear Box/Rotor Brake Retaining Nut Wrench	1 Ea (1 ea)	90-Start up Operation	
RBE350A93-3200-20-5	Bottom Foam use in case APP-1030-E	1 pcs (1 ea)	90-Start up Operation	50 P/502
RBE350A93-3200-20-7	Top Foam use in case APP-1030-E	1 pcs (1 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	APP-1030-E N/A 21 9-00	1	4	0
	RBE350A93-3200-20-1 134	1	7	0
	RBE350A93-3200-20-5 N/A	1	0	0
	RBE350A93-3200-20-7 N/A 21 9-00	1	0	0

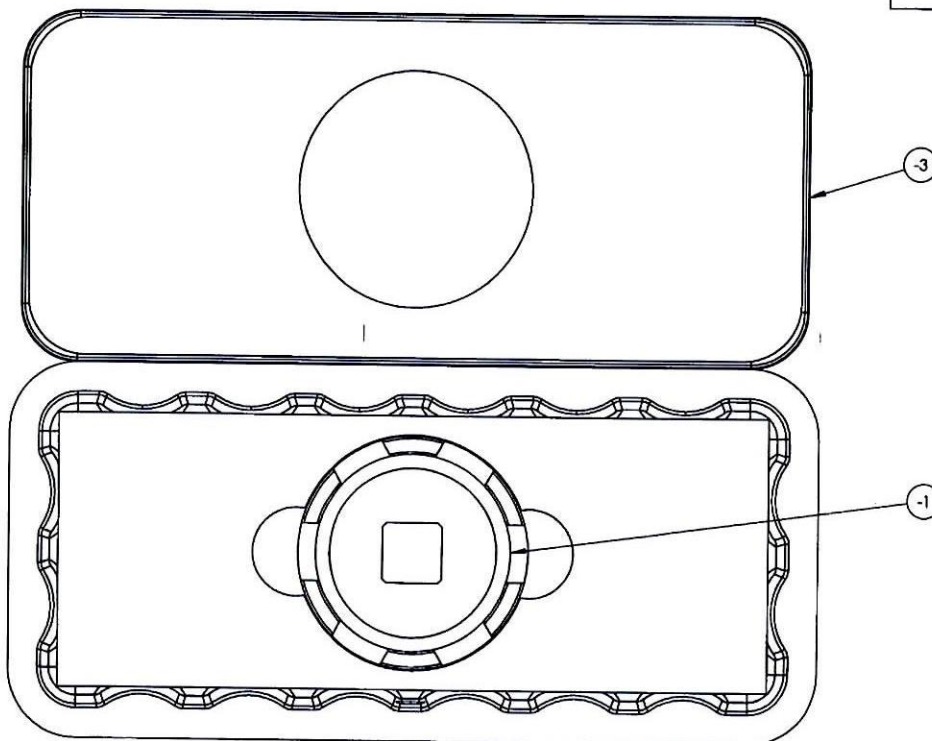
Part Specifications

Specifications could not be found.

Plex 7/6/18 10:27 AM Dart.lajeunesse.marie

ITEM #	QTY	PART #	TITLE	PG
-1	1	RBE350A93-3200-20-1	MGB/ROTOR BRAKE RETAINING NUT WRENCH	2
-3	1	RBE350A93-3200-20-3	PACKAGING ASSY	3

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
1	CHANGED UPPER LIMIT TOLERANCE, ADDED "MADE IN USA"	-	4/23/09	RJC	RW
2	CHANGED DIMENSION .500+/- .002 TO .485 TO LOOSEN TOLERANCE PER HELI PRODUCTS INFO. ALSO ADDED .10 CHAMFER AND RADIUS FOR BALL LOCK ON 1/2" DRIVE CHANGED FROM CAD YELLOW PLATING TO BLACK OXIDE TO MATCH OTHER TOOLS. PER DAVE.	-	9/29/09	WP	-
3	SCRAPPED ORIGINAL DESIGN FOR THIS DESIGN, PER GABRIEL	-	3/4/10	WP	GE
3A	CH'D T/N WAS RBEA93-3200-20 IS RBE350A93-3200-20	-	10/20/13	CFS	RW
D	ITEM 1 BECAME -1, TEMPLATE UPDATED, ITEM -3 PACKAGING ASSY ADDED	17-799	17.12.21	VM	ML



NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) SPEC: N/A
- 5) BREAK ALL SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A

RBE350A93-3200-20 MAIN GEAR BOX/ROTOR BRAKE RETAINING NUT WRENCH

DART AEROSPACE Hawkesbury, Ontario, Canada	
TITLE MAIN GEAR BOX/ROTOR BRAKE RETAINING NUT WRENCH	
PART NO. RBE350A93-3200-20	REV. D
TOOL NO. RBE350A93-3200-20	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES INTERPRET PER ASME Y14.5M-2009 DIMENSIONS APPLY AFTER FINISHING	
DETAILS AND DATE	
DESIGNED BY: VM 17/12/21	TOLERANCES: XXX ± .008 FRACTIONS ± 1/8
DRAWN BY: VM 12/21/2017	XX ± .01 ANGLES ± .5°
CHECKED BY: VM 01/02/2018	X ± .1 SURFACE
MFG REVIEW BY: DD 01/02/2018	ROUGHNESS
APPROVED BY: ML 01/04/2018	SCALE: NTS SHEET 1 OF 5
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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					